FIGURE 1

LETRSPNP-ST 46 LETRSPNP-SI 46	SIVDPEYLPRR SILVDSOYLPRR SILPEBFRK WITEBATETP VFTPAFWSIKT	FITIOVELLING 267 LLTGFVYIL VKC 270 LLTGFVHLLFKL 293 LLTGFVHLLFKL 293 PRSPAKEL QLT 332 PRSPAKEKFP 327 COLLLQODK VPE 345 PLTCGFARFW 367	SYPALDLDAGLE 409 SYPAMNLDAGRE 407 PLQPLSGEDDAY 418 PLDPLSGEDDAY 421 PPDSEGSRSS 432	SEAGSPLAGLDW 487 SEAGSP-PGLDW 484 IDFOPPELVLR 494 IGLORPLERMPE 482 FOSSGPIPALAC 473	539 530 551 539 523 468
DEVCY THECKY THE THECKY THE	FTITEHHCMSGREOVETITEHRCMSGREOVERCIMGOEOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCO	- WLGHLLVGLSGAFG GWPGNTLVAVSIFLL OWSASILVVVPIFL EVPSTLEVVVPIFL ETSPLEVLERD-KVT ETSPLEVLERD-KVT ETSPLEVLERD-KVT ETSPLEVLERD-KVT SSAGSESSIWEAV	AEGPCTWPCSCEDDG DEGVAGAPTGSSPOP EEDGSRLPEGSPHPP	GLPWGGRSPGGVSESOPPTWRTGSPGGGSESOPPTWRTGSPGGGSESOPPTWGVPDLV	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
G C P	L P P E A V L V P S D L P K E E V P L P P D L O Y E L Q Y R N R G D P M L E F E A R R L L S P G H T W L S Y E L A F K K Q E E A W L S Y E L A F K R Q E E A W F Q T Q S E E L K E G F Q T Q S E E L K E G	FRTRPADEMKETTPH FRTRPADEMKETTPM FOAPOR - OGPLIPW FPSPORROGILVPRW APFTGSLELGPWSP TPFTASSLELGPWSP SPFPSSFSPSGPAP ARRAGPOARONGVST	RPYGLVSIDTVTVLD QVY-FTYDPYSEEDP QVY-FTYDPYSEEDP QVY-FTYDPCVEEEV QTLAYLPQE	LRESPADGE - DWAG RREG - DWTA MPSSLOERVPRDWDP SPLSLHE	TPP
THE SEES AUTHORN ON THE COMPAN OF THE COMPAN	S E C T V R S D Y E D P A F Y M L K G D S A Y D E P S N Y V L R G E I S O V S H Y F E R - K V S O V S H Y F E R - S I S P A L E P M T T G I N L A L E P L T S S Y O G T W S E W S D P V T S F R G T W S E W S D P V	NZEE CLOOPE	TAONSGGSAYSEERD LAAGOAVSAYSEERD LPDALEIEAC LPNALEIESC SSEDVLPAGCTEWRV GSEHVLPAGCLELEG	GSPGLGGPLGSLLDR SGLRLGGSPGSLLDR PSTAPGGSGAGE-ER PNTAYGGSRAPE-ER	DEGPPRSYLROWVVR GOGEFRALNARLPLN GODODRGQGPILTEN QRPGLHEDLQGMLLP
TROK ESCHIII	APGGTHKCILR VTEIXHKCTFW TFSGQYNHS AFSGRYDHS VHVETHRCNHS SNHSGHCHLT SNUSSGHCHLT	MATLES YEDD WAT THE SYEDD WAT	ECDGMSEPGHWCIIP LTSCFTNOGYFFFH OASCFTNOGYFFFH EGPGTRLPGN TAPGFPGL	L DAGTTV L SCGCVSALLTS S S C C V S G L V T D P A F L S C C C V S G L T S P S L T T S P S L T T T S T T S P S L T T T S T T T S T T T S T T T S T T T S T T T S T T T S T T T S T T T S T T T S T T T T S T T T T S T	SDCSSPVECDFTSPGAGPBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
h16445 pro m16445 pro hIL-2 Rc beta pro hIL-2 Rc beta pro hIL-9 Rc pro mIL9-Rc pro mIL9-Rc pro h16445 pro	SE XXXXXX SS SE PAREZE XX	hIL-2 Rc beta pro B T Q Y E F Q V R V K hIL-9 Rc pro G F I H E A R L R V O mIL9-Rc pro G S I Y E A R L R V O MIL6445 pro H E L W R L W K hIL-2 Rc beta pro R N T G P W - L K K V hIL-3 Rc pro R Y L G P W - L K T V hIL-9 Rc pro S P R V K R I hIL-9 Rc pro S P R V K R I hIL-9 Rc pro	h16445 pro mi6445 pro GLPGLEEQL hIL-2 Rc beta pro PLPSESNHS mIL-9 Rc pro KSVALEEEQ mIL9-RC pro	h16445 pro m16445 pro M16445 pro A G P N S E D L L L V T L hIL-2 Rc beta pro C T F P S R D D L L L F S mIL-2 Rc beta pro C A F P P R D D L L L F S hIL-9 Rc pro MIL9-Rc pro mIL9-Rc pro	h16445 pro m16445 pro DTFDSGFAG hIL-2 Rc beta pro EA-GEEVPD mIL-2 Rc pro hIL-9 Rc pro mIL9-Rc pro

Decoration 'Decoration #1'; Shade (with solid black) residues that match the Consensus exactly.

h 16445 Expression

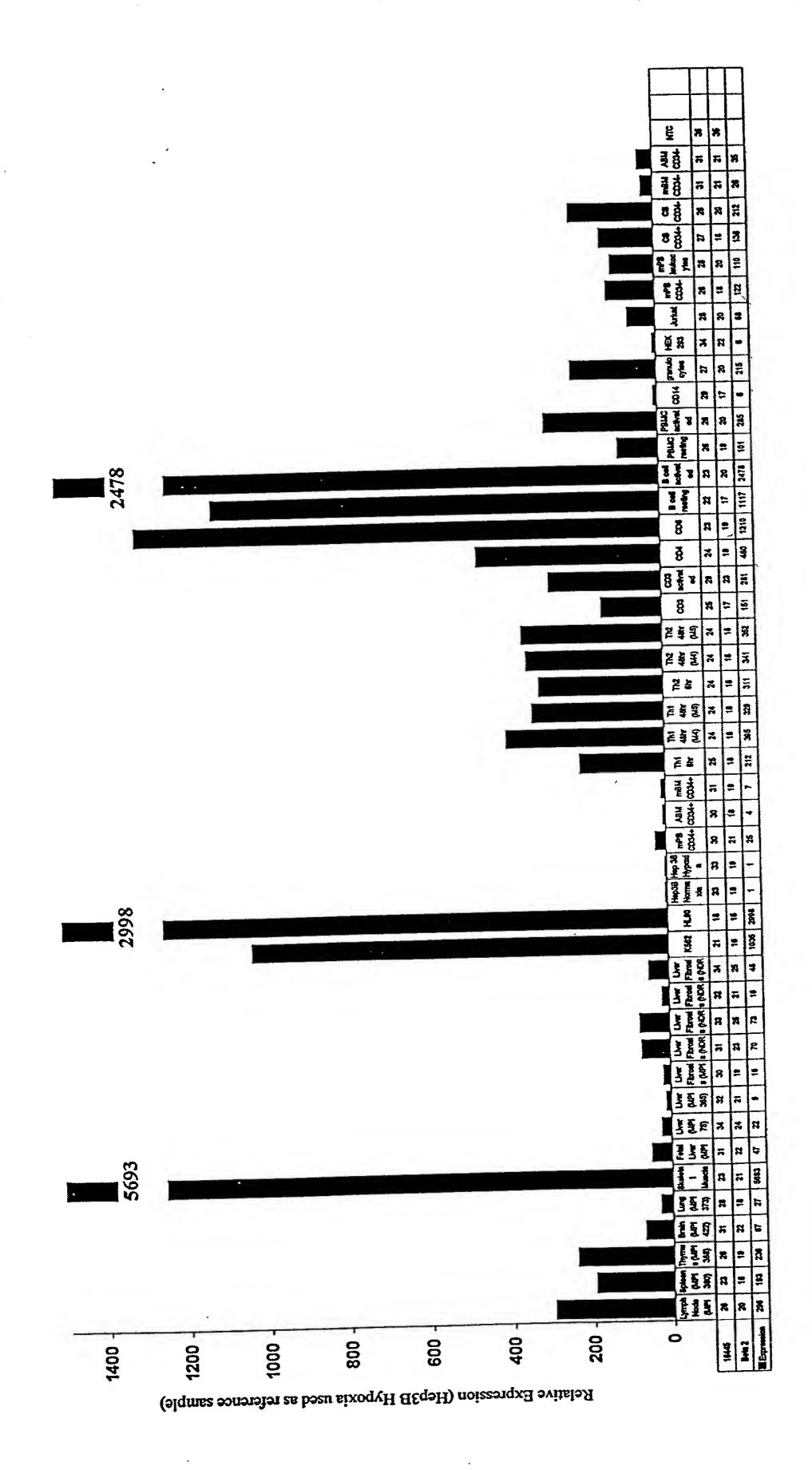
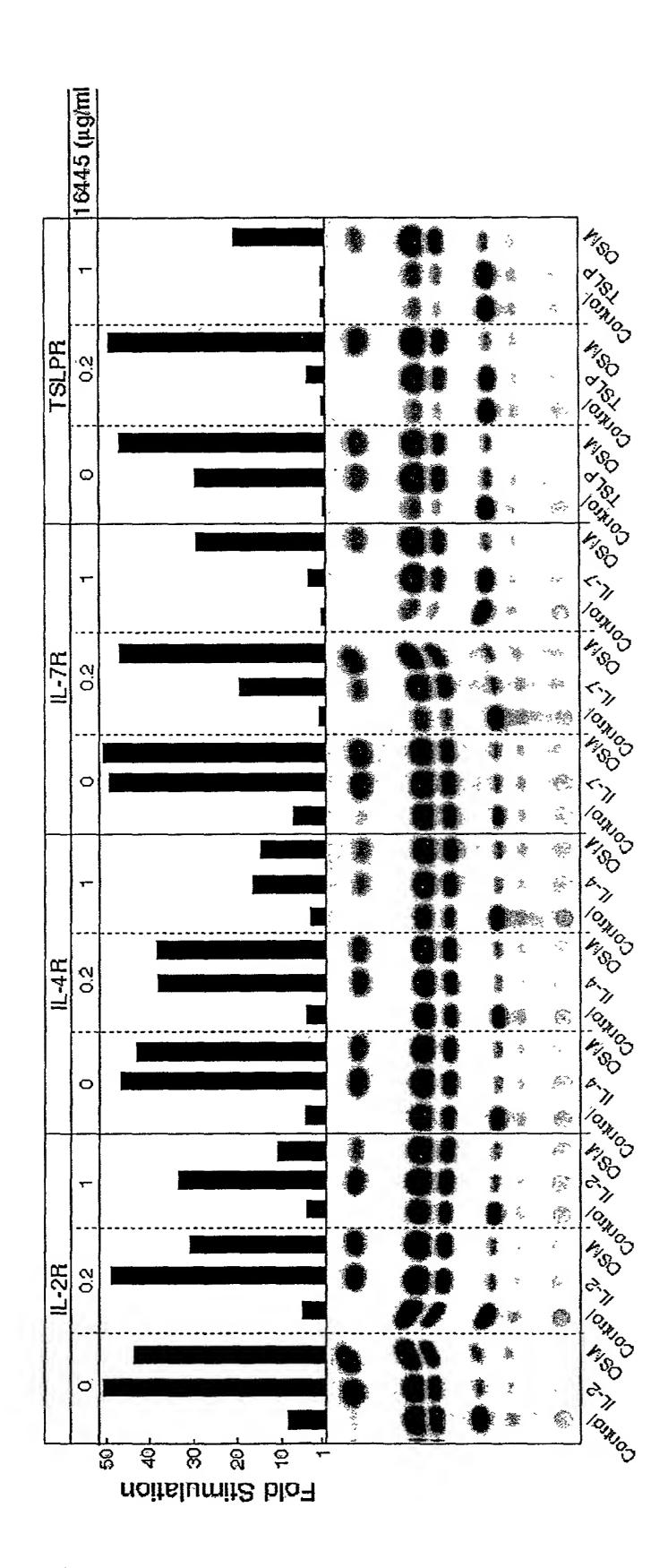
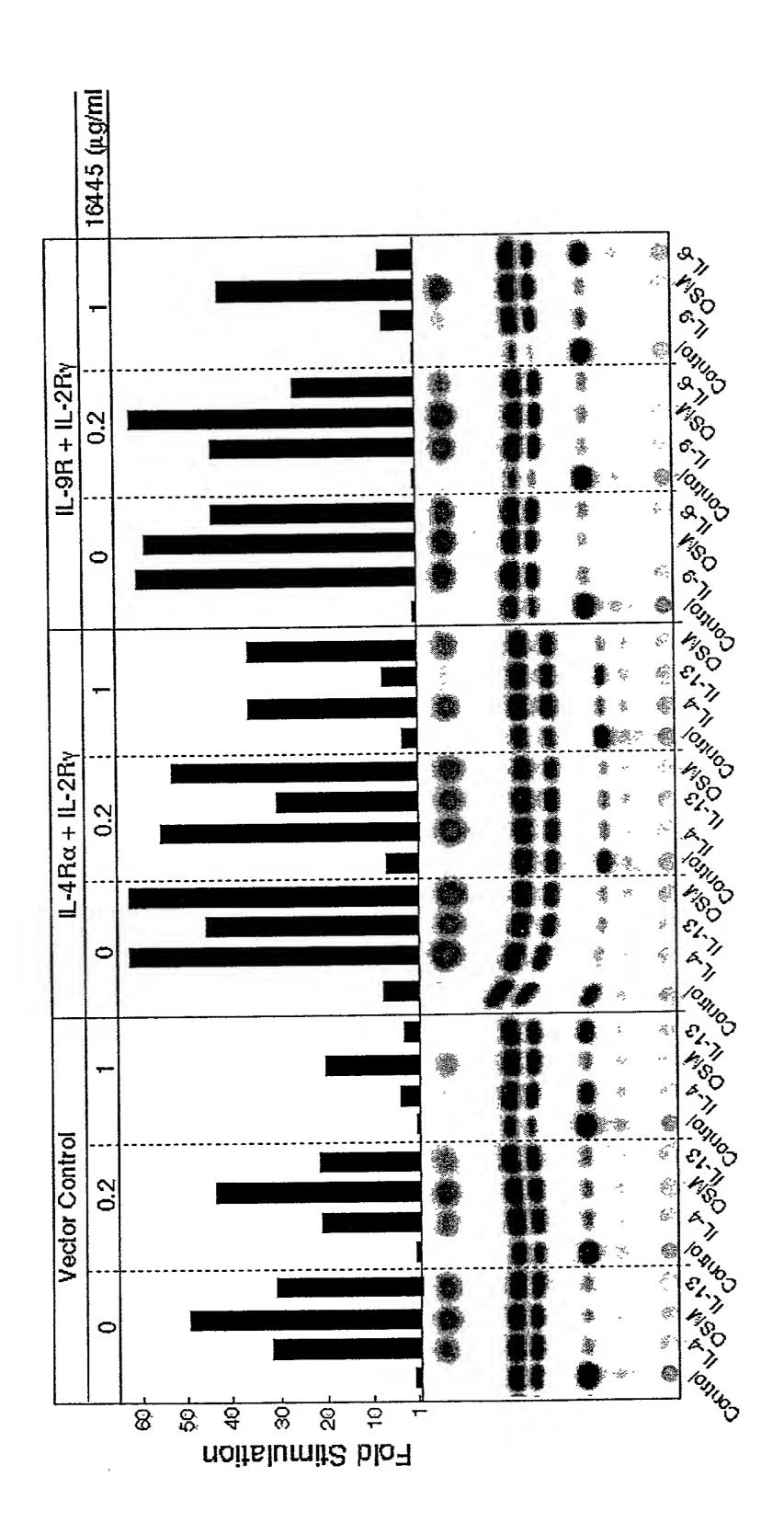
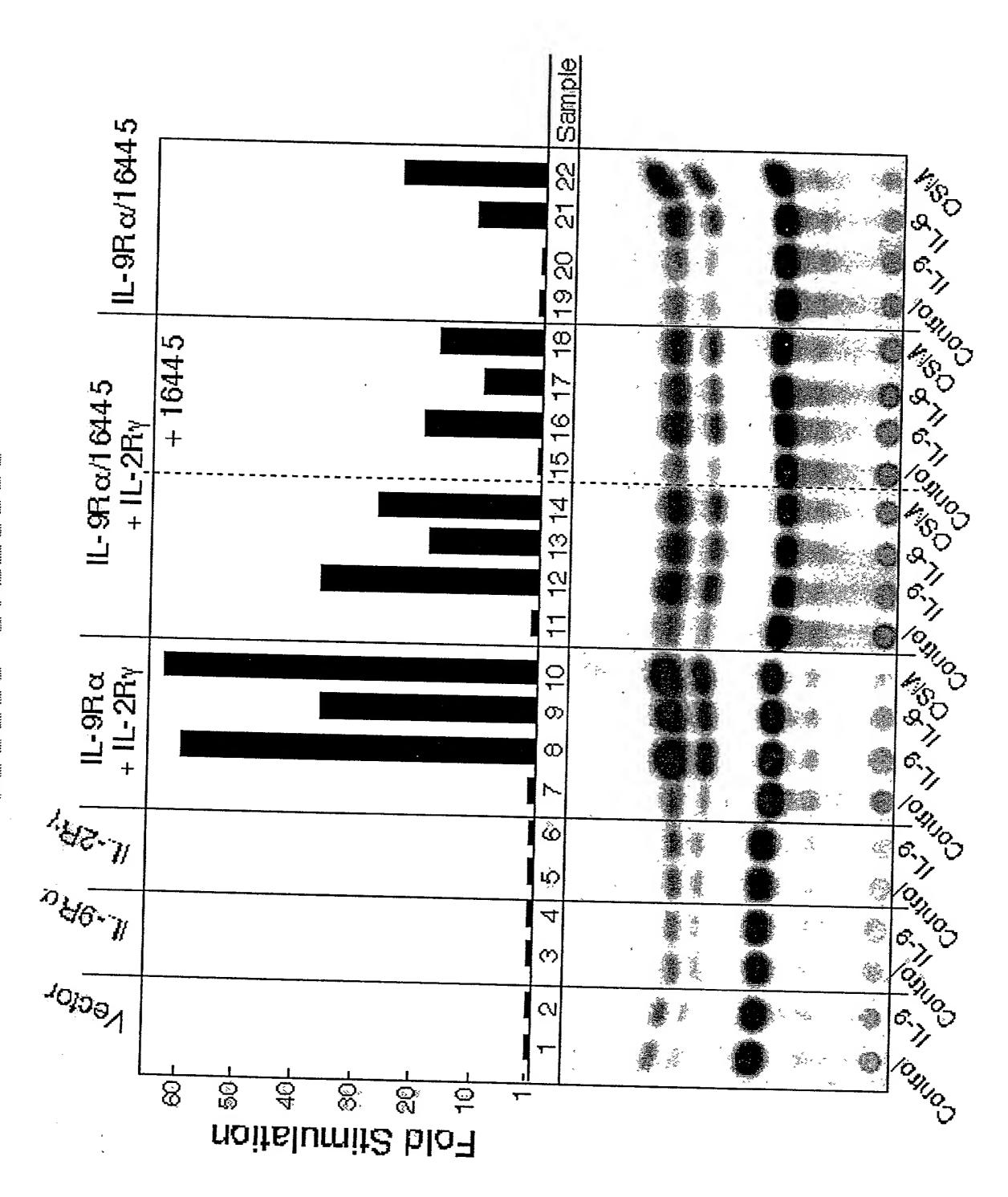


FIGURE 3A







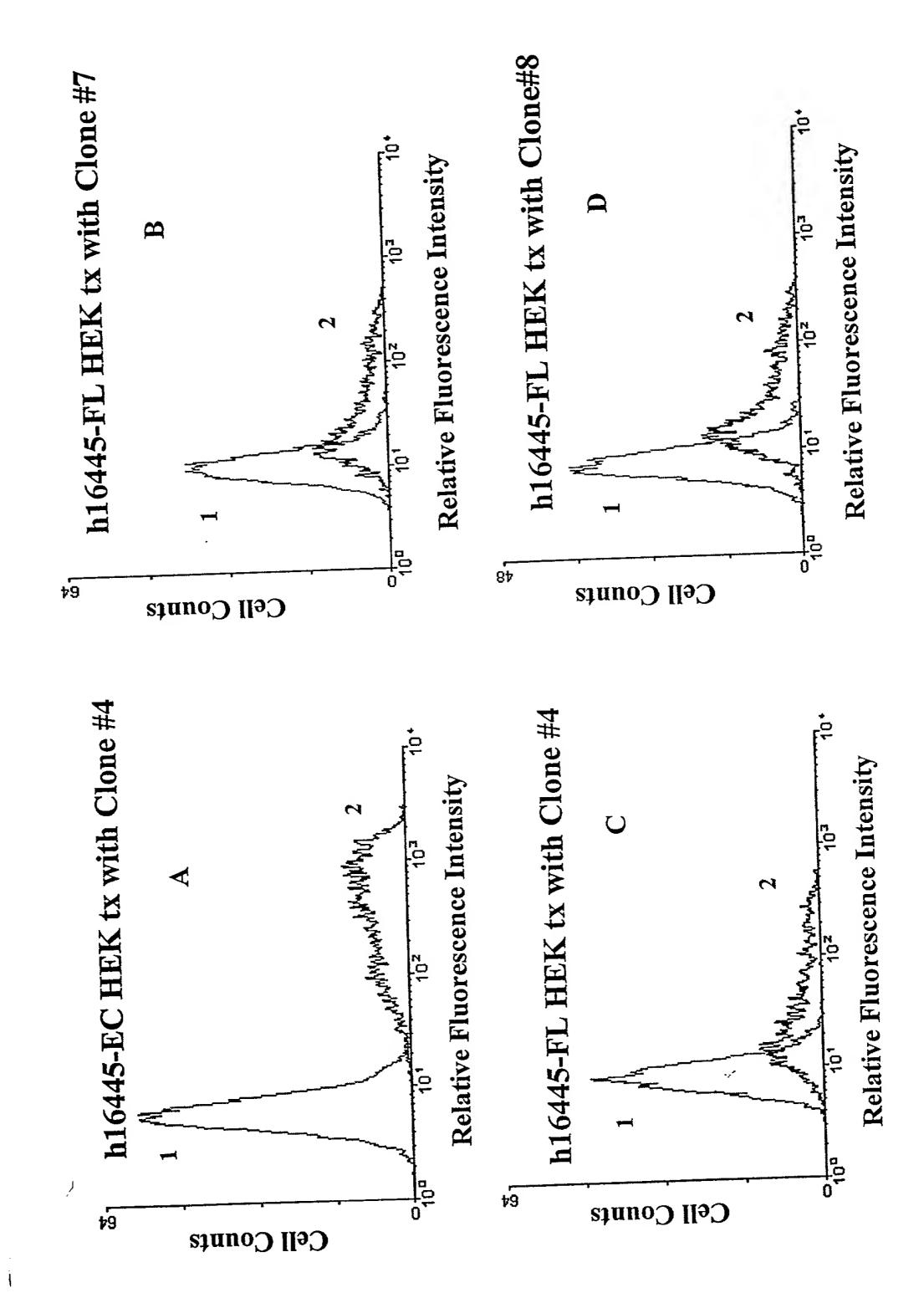
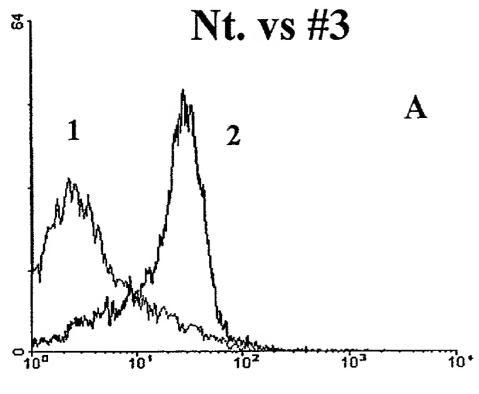
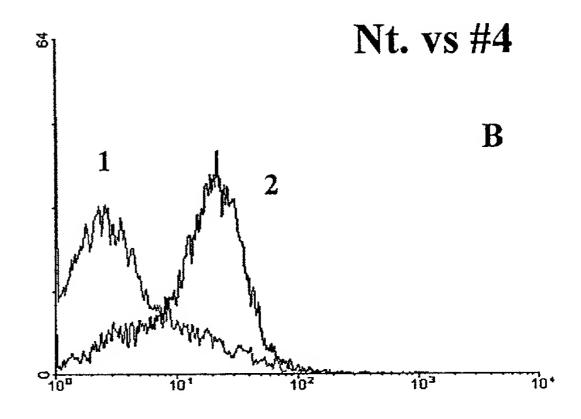


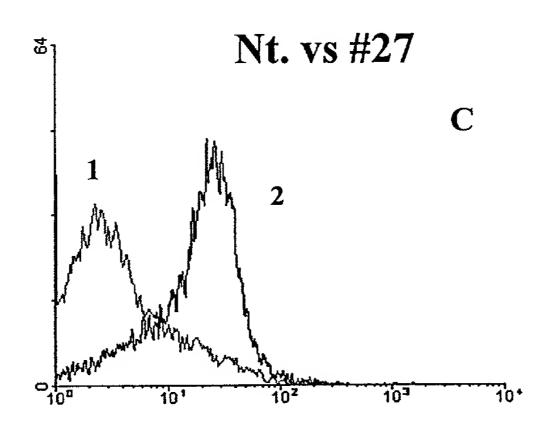
FIGURE 6



Relative Fluorescence Intensity



Relative Fluorescence Intensity



Relative Fluorescence Intensity